

# Warmest September- January Period on Record?

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# Data Used

- Automated Surface Observing System (ASOS) temperatures for the five month period from September 1 to January 31 were evaluated.
- The Jamestown, Dickinson, Williston, Minot and Bismarck warmest 5 years (thus far) are shown for:
  - Average Maximum Temperature
  - Average Daily Temperature
- Data availability for this study:
  - Jamestown ASOS → July 1948
  - Minot ASOS → July 1948
  - Dickinson ASOS → July 1948
  - Bismarck ASOS → October 1874
  - Williston ASOS → January 1894

# Jamestown ASOS

Highest Average Max Temp

Rank	Value (°F)	Ending in
<b>1</b>	<b>47.4</b>	<b>2012</b>
2	47.0	1964
3	45.7	2006
4	45.3	2002
5	44.6	1953

Highest Average Temp

Rank	Value (°F)	Ending in
1	36.6	2006
<b>2</b>	<b>36.5</b>	<b>2012</b>
3	35.0	2002
4	34.7	1987
5	34.5	1998

Values are shown are averages for the five month period from Sep 1-Jan 31.  
Above rankings are based on data collected since 1948.

# Bismarck ASOS

Highest Average Max T

Rank	Value (°F)	Ending in
<b>1</b>	<b>49.5</b>	<b>2012</b>
2	49.2	1891
3	48.7	1964
4	48.6	2002
5	48.5	2006

Highest Average T

Rank	Value (°F)	Ending in
1	37.6	1891
2	37.5	2006
<b>3</b>	<b>37.1</b>	<b>2012</b>
4	36.5	2002
	36.5	1939

Values are shown are averages for the five month period from Sep 1-Jan 31.  
Above rankings are based on data collected since 1874.

# Williston ASOS

Highest Average Max T

Rank	Value (°F)	Ending in
1	49.0	1964
<b>2</b>	<b>48.9</b>	<b>2012</b>
3	48.2	1944
4	47.6	2000
5	47.3	2006

Highest Average T

Rank	Value (°F)	Ending in
1	37.0	1944
<b>2</b>	<b>36.5</b>	<b>2012</b>
3	36.1	1939
4	36.0	2006
5	35.9	1958

Values are shown are averages for the five month period from Sep 1-Jan 31.  
Above rankings are based on data collected since 1894.

# Dickinson ASOS

Highest Average Max T

Rank	Value (°F)	Ending in
1	50.3	1964
<b>2</b>	<b>50.2</b>	<b>2012</b>
3	49.4	1953
4	49.2	2000
5	48.8	1981

Highest Average T

Rank	Value (°F)	Ending in
1	38.3	1964
2	38.2	1981
3	37.3	2000
<b>4</b>	<b>37.3</b>	<b>2012</b>
5	36.7	2006

Values are shown are averages for the five month period from Sep 1-Jan 31.  
Above rankings are based on data collected since 1948.

# Minot ASOS

Highest Average Max T

Rank	Value (°F)	Ending in
<b>1</b>	<b>48.0</b>	<b>2012</b>
2	46.9	2000
3	46.3	1964
4	46.0	2006
5	44.5	1961

Highest Average T

Rank	Value (°F)	Ending in
<b>1</b>	<b>37.7</b>	<b>2012</b>
2	37.2	2006
3	36.5	2000
4	35.7	1964
5	35.2	1998

Values are shown are averages for the five month period from Sep 1-Jan 31.  
Above rankings are based on data collected since 1948.

# Summary

- The five major sites in western and central North Dakota had one of their top three warmest September-January periods.